Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/04/2022 11:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123575	-2	1.09	123479	1.06
Blue	F	SSC	125000	123385	-2	2.23	123818	2.04
Blue	E	FITC	13602	13198	-3	2.09	368	13.27
Blue	D	PE	24891	24441	-2	1.49	581	10.25
Blue	B	PerCP-Cy5-5	33972	33297	-2	2.79	952	14.96
Blue	A	PE-Cy7	22865	22785	-1	4.86	476	30.81
Red	C	APC	47198	46713	-2	2.59	1610	11.27
Red	A	APC-Cy7	26454	25555	-4	2.85	725	12.13
Violet	B	V450	6737	6477	-4	3.35	450	11.24
Violet	A	V500	29317	27990	-5	2.91	955	8.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23915	2.12	555	20	N/A	N/A	Pass
Blue	F	SSC	55453	1.71	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0448	94	Pass
Blue	D	PE	113	37.53	490	4	0.4085	275	Pass
Blue	B	PerCP-Cy5-5	150	42.36	584	5	0.0197	100	Pass
Blue	A	PE-Cy7	77	82.37	628	7	0.0219	4	Pass
Red	C	APC	335	26.23	575	3	0.0301	266	Pass
Red	A	APC-Cy7	135	35.74	552	1	0.0067	1856	Pass
Violet	B	V450	77	46.60	445	-5	0.0596	2371	Pass
Violet	A	V500	112	31.98	464	-5	0.0275	1153	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.77	-31.58	1.10
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.52	13.90 - 20.86	N/A	N/A	29.98	30.21	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.79

Threshold

Threshold (FSC): 9955

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments